

PhD program in Differential and Integral Equations (2013)

The total minimum required number of credits:	91 credits
- Coursework:	21 credits
+ Basic courses:	09 credits
• Required:	06 credits
• Elective:	03/9 credits
+ Advanced foreign languages for academic purposes:	04 credits
+ Advanced courses:	06/24 credits
+ Overview:	02 credits
- Research	
- PhD Thesis:	70 credits

Available curriculum :

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
I	Part 1. Coursework						
I.1	Basic courses		9				
I.1.1	Required		6				
1	MAT8051	<i>Differential Equations in Banach spaces</i>	3	15		30	
2	MAT8045	<i>Theory of Distributions and Sobolev spaces</i>	3	15		30	
I.1.2	Elective		3/9				
3	MAT8016	<i>Theory of Spectrum of Differential Operators</i>	3	15		30	

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
4	MAT8046	<i>Elliptic Boundary Value Problems</i>	3	15		30	
5	MAT8047	<i>Lyapunov Methods in Stability Theory</i>	3	15		30	
I.2	<i>Advanced foreign languages for academic purposes (choose one of languages below):</i>		4				
6	ENG 8001	<i>Advanced English for Academic Purposes</i>	4			60	
	RUS 8001	<i>Advanced Russian For Academic Purposes</i>	4			60	
	FRE 8001	<i>Advanced French For Academic Purposes</i>	4			60	
	WES 8001	<i>Advanced General For Academic Purposes</i>	4			60	
	CHI 8001	<i>Advanced Chinese For Academic Purposes</i>	4			60	
I.3	Advanced courses		6/18				
7	MAT8046	<i>Elliptic Boundary Value Problems</i>	3	15		30	
8	MAT8047	<i>Lyapunov Methods in Stability Theory</i>	3	15		30	
9	MAT8048	<i>Functional differential equation</i>	3	15		30	
10	MAT8049	<i>Integral Equations</i>	3	15		30	
11	MAT8050	<i>Operator Equations</i>	3	15		30	
12	MAT8023	<i>Variational Methods</i>	3	15		30	
I.4	Overview		2				
13	MAT8191	<i>Research Perspective Report</i>	2			30	
II	Part 2. Research (research planning, publishing ...)						
III	Part 3. Doctoral Thesis						
14	MAT9006	<i>Ph.D thesis</i>	70				
		Total	91				